



ARROW  
GEAR  
COMPANY

2301 Curtiss Street Downers Grove, Illinois 60515-4036 630-969-7640 Fax: 630-969-0253

March 17, 1997

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance and Systems Management  
P. O. Box 19276  
Springfield, IL  
62794-9276

Attn: Annual Emission Report

Subject: Arrow Gear Company - Annual Emission Report for  
Year 1996.

Dear Sir or Madam,

Enclosed is the Annual Emission Report for the year 1996. This report was the long form including the Additions of Stacks were required.

Thank you.

Sincerely,

ARROW GEAR COMPANY

A handwritten signature in cursive script, appearing to read "Harry Hartzell".

Harry Hartzell  
Chief Metallurgist

HH/cbp

enc.

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 1

043030ABC - ARROW GEAR COMPANY  
OWNER:  
FACILITY PHONE:

- SOURCE DATA -

SOURCE  
IDS AND  
LOCATION

AIRS: 17-043-0074  
FINDS: ILD005075205  
FEIN: 36-2343766  
D&B: 00-507-5205  
SIC 1: 3566  
SIC 2:  
SIC 3:

IEPA USE ONLY  
IEPA USE ONLY

LATITUDE: 41:47:31.0000  
LONGITUDE: 88:02:19.0000  
YEAR OF DATUM: UNKN  
SCALE:  
METHOD: E  
ACCURACY:  
WHERE MEASURED:

SOURCE  
ADDRESS

ARROW GEAR COMPANY

2301 CURTISS STREET  
DOWNERS GROVE, IL 60515  
CONTACT: HARRY A. HARTZELL  
PHONE: 708-969-7640 EXT: 243  
FAX: 708-969-0253

Phone: 630-969-7640 Ext. 268  
FAX: 630-969-0253

ANNUAL  
EMISSION  
REPORT  
MAILING  
ADDRESS

ARROW GEAR COMPANY

2301 CURTISS STREET  
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ALL ANNUAL EMISSIONS REPORT DATA VERIFIED, MODIFIED OR PROVIDED ON BEHALF OF THE  
COMPANY NAMED ABOVE, WHETHER SUBMITTED ELECTRONICALLY OR IN WRITING, REPRESENTS  
THE BEST AVAILABLE INFORMATION AND IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

  
AUTHORIZED SIGNATURE

Harry Hartzell, Metallurgist  
TYPED OR PRINTED NAME AND TITLE

3/14/97  
DATE

630-969-7640  
TELEPHONE NUMBER

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 2

043030ABG - ARROW GEAR COMPANY

## - ANNUAL SOURCE EMISSIONS -

POLLUTANT CODE	ALLOWABLE EMISSIONS (TONS/YEAR)	EMISSIONS REPORTED FOR 1995 (TONS/YEAR)	IEPA 1996 ESTIMATED EMISSIONS (TONS/YEAR)	SOURCE REPORTED EMISSIONS FOR 1996 (TONS/YEAR)
CO	0.0499	0.0499	<del>0.0499</del>	<u>0.0499</u>
NOX	15.4752	9.8592	<del>9.8592</del>	<u>1.0492</u>
PART	2.2830	2.2305	<del>2.2305</del>	<u>0.0001</u>
VOM	15.3000	1.2375	<del>1.2375</del>	<u>0.0000</u>

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 3

043030ABG - ARROW GEAR COMPANY

- PERMIT LISTING -

PERMIT NUMBER	TYPE OF PERMIT	OPERATION NAME	STATUS	STATUS DATE	EXPIRES
73060221	SIMPLE	GEAR MANUFACTURING	GRANTED	07/18/96	07/18/01

3/14/97

1996 FURNACE AIR EMISSION TEST

Final Report

1. NATURAL GAS :

#	GC	GC (BTU/LH)	GC (BTU/LH)
#0003	6000 (1.2) = 7200	6000 (1.2) = 7200	6000 (1.2) = 7200
#0002	2000 (0.1) = 200	2000 (0.1) = 200	2000 (0.1) = 200
#0017	104 (7.2) = 748	104 (7.2) = 748	104 (7.2) = 748
#0012	600 (1.1) = 660	600 (1.1) = 660	600 (1.1) = 660

1996 NG : 305729 BTU/LH

Point 0003 305729 (7%) (33%) (0.0001) / (6000) = 0.0017  
 CO : (21.65/10<sup>6</sup> cur/H) (0.0017) = 0.0357 US/H

NOX : (100.00/10<sup>6</sup> cur/H) (0.0017) = 0.1700 US/H

Point 0006 305729 (1%) (0.0001) / (2000) = 0.0001 x 10<sup>6</sup> cur/H =  
 CO : (21) (0.0001) = 0.0021 US/H

NOX : (100) (0.0001) = 0.01

Point 0007 305729 (35%) (0.0001) / (1040) = 0.0102 x 10<sup>6</sup> cur/H

CO : (21) (0.0001) = 0.0021 US/H

NOX : (100) (0.0001) = 0.01

Point 0008 305729 (31%) (0.0001) / (3300) = 0.0091 x 10<sup>6</sup> cur/H

CO : (21) (0.0001) = 0.0021 US/H

NOX : (100) (0.0001) = 0.01

## 2. SOLVENT WASHERS

#142 SOLVENT = 100% VOM; 0% HAPs;  $d = 6.6 \text{ lbs/gal}$

MAKE-UP = P-WASHES - WASTES =  $282 \text{ gal/yr} = 1716 \text{ lbs/yr}$

3:1 WASH RATE = LARGE UNIT : SMALL UNIT

SMALL UNIT =  $430 \text{ lbs/yr VOM} / 1000 \text{ HES/yr} = 0.43 \text{ lbs/HES}$

LARGE UNIT =  $1290 \text{ lbs/yr VOM} / 2000 \text{ HES/yr} = 0.645 \text{ lbs/HES}$

## 3. TOTALS

		NOX @ $0.17 \text{ lbs/HES} = 1020 \text{ lbs/yr} \checkmark$
0003	6000 HES	CO @ $0.0357 \text{ lbs/HES} = 214.2 \checkmark$
		NOX = $0.01 = 20 \checkmark$
0006	2000 HES	CO = $0.0021 = 4.2 \checkmark$
		NOX = $1.03 = 1070.2 \checkmark$
0017	1040 HES	CO @ $0.2165 = 224.952 \checkmark$
		NOX = $0.16 = 960 \checkmark$
0002	6000 HES	CO = $0.0336 = 21.6 \checkmark$
0009	2000 HES	VOM @ $0.643 = 1286$
0010	1000 HES	VOM @ $0.43 = 430$
0014	2000 HES	PAHs @ $0.0001 = 0.2$

TOTALS:

CO =  $464.952 \text{ lbs/yr} = 0.2325 \text{ tons/yr}$

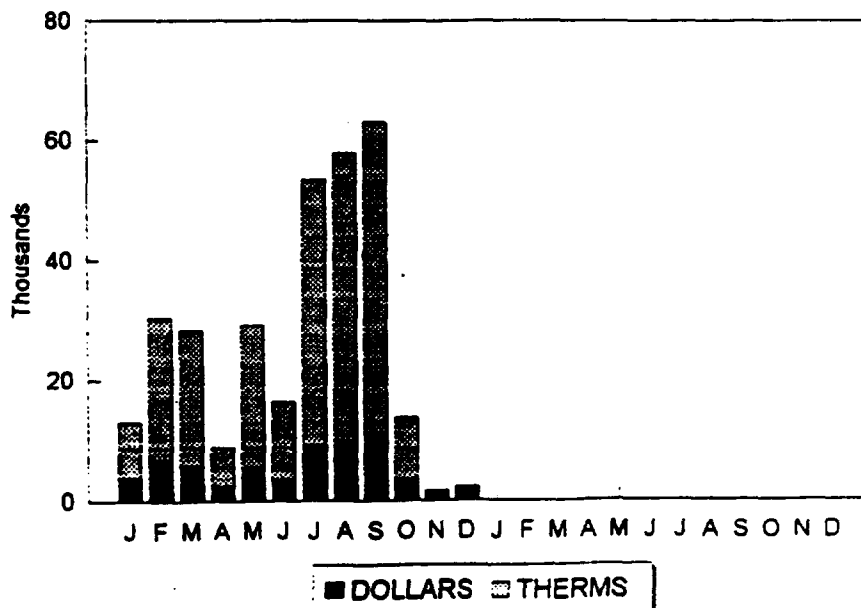
NOX =  $3.71.2 = 1.5220 \text{ tons/yr}$

PAHs =  $0.2 = 0.0001 \text{ tons/yr}$

VOM =  $1716 = 0.225 \text{ tons/yr}$

UTILITIES - GAS			
JAN 1995 THRU DEC 1996			
	MONTH	DOLLARS	THERMS
1	JAN/95	\$3,899.00	8990.00
2	FEB	\$6,829.00	23520.00
3	MAR	\$5,788.00	22530.00
4	APR	\$2,451.00	6360.00
5	MAY	\$5,465.00	23760.00
6	JUN	\$3,365.00	13050.00
7	JUL	\$9,277.00	44190.00
8	AUG	\$9,750.00	48050.00
9	SEPT	\$10,190.00	52800.00
10	OCT	\$3,408.00	10320.00
11	NOV	\$1,553.00	22845 0.00
12	DEC	\$2,157.00	28314 0.00
13	JAN/96		
14	FEB		
15	MAR		
16	APR		
17	MAY		
18	JUN		
19	JUL		
20	AUG		
21	SEP		
22	OCT		
23	NOV		
24	DEC		

UTILITIES - GAS 95/96  
JAN/95 THRU DEC/96



20600T - Purchased 7260 GAC  
50000 7000 GAC

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 4

043030ABG - ARROW GEAR COMPANY

## - FUEL COMBUSTION DATA -

POINT 0003 - SUNBEAM ATMOSPHERIC GENERATORS (2)

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 10200603

SIC:

MODE 01 -

## DESCRIPTION CORRECTION:

TWO SUNBEAM ATMOSPHERIC GENERATORS

IDENTICAL POINTS: ~~2~~ 1

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%

JUN-AUG: 25.00%

MAR-MAY: 25.00%

SEP-NOV: 25.00%

FUEL TYPE: 1 NATURAL GAS

INPUT (MMBTU/HR): 1.2

HEAT CONTENT: 1000

SULFUR CONTENT (%): 0.00

ASH CONTENT (%): 0.00

NITROGEN CONTENT (%): 0.00

UNITS: MILLION CUBIC FEET BURNED

UNITS: MILLION CUBIC FEET BURNED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	8.0	24.0	HOURS/DAY:	8.0	24.0
DAYS/WEEK:	5.0		DAYS/WEEK:	5.0	
WEEKS/YEAR:	52	50	WEEKS/SEASON:	52	13
HOURS/YEAR:	2,080	6,000	HOURS/SEASON:	2,080	1560
RATE/HR:	0.0012	0.0017	START TIME:		
RATE/DAY:	0.0096	0.0408	END TIME:		
RATE/YR:	2.4960	10.2	RATE/HR:	0.0012	0.0017
CONFIDENTIAL: N			CONFIDENTIAL: N		



01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 5

043030ABG - ARROW GEAR COMPANY

- FUEL COMBUSTION DATA -

POINT 0003 - SUNBEAM ATMOSPHERIC GENERATORS (2)

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 10200603

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
NOX	3	<u>100</u>	.12
CO	<u>3</u>	<u>21</u>	<u>0.17</u>
			<u>0.0357</u>

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
NOX	3	100	0.17

CAPTURING CONTROLS:

CAPTURING STACKS:

A

CAPTURE: 100.00%

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 6

043030ABG - ARROW GEAR COMPANY

- FUEL COMBUSTION DATA -

POINT 0006 - WASHER HEAT TREAT

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 30990003

SIC:

MODE 01 -

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 1  
BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%  
JUN-AUG: 25.00%  
MAR-MAY: 25.00%  
SEP-NOV: 25.00%

FUEL TYPE: 1 NATURAL GAS  
INPUT (MMBTU/HR): .1

HEAT CONTENT: 1000  
SULFUR CONTENT (%): 0.00  
ASH CONTENT (%): 0.00  
NITROGEN CONTENT (%): 0.00

UNITS: MILLION CUBIC FEET BURNED

UNITS: MILLION CUBIC FEET BURNED

TYPICAL OPERATION		PEAK OZONE SEASON OPERATION	
HOURS/DAY:	8.0	HOURS/DAY:	8.0
DAYS/WEEK:	5.0	DAYS/WEEK:	5.0
WEEKS/YEAR:	50	WEEKS/SEASON:	50
HOURS/YEAR:	2,000	HOURS/SEASON:	2,000
RATE/HR:	0.0001	START TIME:	
RATE/DAY:	0.0008	END TIME:	
RATE/YR:	0.2000	RATE/HR:	0.0001
CONFIDENTIAL: N		CONFIDENTIAL: N	

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 7

043030ABG - ARROW GEAR COMPANY

- FUEL COMBUSTION DATA -

POINT 0006 - WASHER HEAT TREAT

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

SCC: 30990003  
SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
CO	3	21	0.0021
NOX	3	100	0.01

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
NOX	3	100	0.01

CAPTURING CONTROLS:

CAPTURING STACKS:

B

CAPTURE: 100.00%

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 8

043030ABG - ARROW GEAR COMPANY

- FUEL COMBUSTION DATA -

POINT 0007 - DRAW FURNACE

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: / 10/1995

SCC: 30990003

SIC:

MODE 01 -

DESCRIPTION CORRECTION:

*DRAW FURNACE - NOT USED REPLACED W/ ELECTRIC FURNACE*

IDENTICAL POINTS: 1

PERCENT THROUGHPUTS: DEC-FEB: 25.00% MAR-MAY: 25.00%

BEGAN OPERATION: 06/1973

JUN-AUG: 25.00% SEP-NOV: 25.00%

CEASED OPERATION: / 10/1995

FUEL TYPE: 1 NATURAL GAS

INPUT (MMBTU/HR): 1 0

HEAT CONTENT: 1000

SULFUR CONTENT (%): 0.00

ASH CONTENT (%): 0.00

NITROGEN CONTENT (%): 0.00

UNITS: MILLION CUBIC FEET BURNED

UNITS: MILLION CUBIC FEET BURNED

TYPICAL OPERATION				PEAK OZONE SEASON OPERATION			
HOURS/DAY:	8.0	<u>0</u>		HOURS/DAY:	8.0	<u>0</u>	
DAYS/WEEK:	5.0	<u>0</u>		DAYS/WEEK:	5.0	<u>0</u>	
WEEKS/YEAR:	50	<u>0</u>		WEEKS/SEASON:	50	<u>0</u>	
HOURS/YEAR:	2,000	<u>0</u>		HOURS/SEASON:	2,000	<u>0</u>	
RATE/HR:	0.0010	<u>0</u>		START TIME:		<u>0</u>	
RATE/DAY:	0.0080	<u>0</u>		END TIME:		<u>0</u>	
RATE/YR:	2.0000	<u>0</u>		RATE/HR:	0.0010	<u>0</u>	
CONFIDENTIAL: N				CONFIDENTIAL: N			

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 9

043030ABG - ARROW GEAR COMPANY

- FUEL COMBUSTION DATA -

POINT 0007 - DRAW FURNACE

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

10/1995

SCC: 30990003

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
-----	-----	-----	-----

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
-----	-----	-----	-----

CAPTURING CONTROLS:

CAPTURING STACKS:

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 10

043030ABG - ARROW GEAR COMPANY

## - FUEL COMBUSTION DATA -

POINT 0017 - AIR-MAKEUP-UNIT

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

MODE 01 -

SCC: 10500106  
SIC:

## DESCRIPTION CORRECTION:

TWO AIR MAKE-UP UNITS

IDENTICAL POINTS: 2  
BEGAN OPERATION: 06/1973  
CEASED OPERATION: /PERCENT THROUGHPUTS: DEC-FEB: 25.00% 6000 MAR-MAY: 25.00% 2000  
JUN-AUG: 25.00% 000 SEP-NOV: 25.00% 2000FUEL TYPE: 1 NATURAL GAS  
INPUT (MMBTU/HR): 3.6HEAT CONTENT: 1000  
SULFUR CONTENT (%): 0.00  
ASH CONTENT (%): 0.00  
NITROGEN CONTENT (%): 0.00

UNITS: MILLION CUBIC FEET BURNED

UNITS: MILLION CUBIC FEET BURNED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	8.0		HOURS/DAY:	8.0	0
DAYS/WEEK:	5.0		DAYS/WEEK:	5.0	0
WEEKS/YEAR:	50	26	WEEKS/SEASON:	50	0
HOURS/YEAR:	2,000	1,040	HOURS/SEASON:	2,000	0
RATE/HR:	0.0036	0.0103	START TIME:		
RATE/DAY:	0.0288	0.0824	END TIME:		
RATE/YR:	7.2000	10.712	RATE/HR:	0.0036	0
CONFIDENTIAL: N			CONFIDENTIAL: N		

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 11

043030ABG - ARROW GEAR COMPANY

- FUEL COMBUSTION DATA -

POINT 0017 - AIR MAKEUP UNITS

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 10500106

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
CO	3	21	0.2163
NOX	3	100	1.03

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
NOX	NOT USED I	N/A	0.0000

CAPTURING CONTROLS:

CAPTURING STACKS:

C

CAPTURE: 50.00%

D

CAPTURE: 50.00%

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 12

043030ABG - ARROW GEAR COMPANY

## - PROCESS DATA -

POINT 0001 - LINDBERG BOX HARDENING FURNACE

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

MODE 01 -

SCC: 30402201  
SIC:

## DESCRIPTION CORRECTION:

LINDBERG BOX HARDENING FURNACE - NOT CORRECT

IDENTICAL POINTS: 1  
BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%  
JUN-AUG: 25.00%  
MAR-MAY: 25.00%  
SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	24.0		HOURS/DAY:	24.0	
DAYS/WEEK:	5.0		DAYS/WEEK:	5.0	
WEEKS/YEAR:	52		WEEKS/SEASON:	52	
HOURS/YEAR:	6,240		HOURS/SEASON:	6,240	
RATE/HR:	1.0000		START TIME:		
RATE/DAY:	24.0000		END TIME:		
RATE/YR:	6,240.0000		RATE/HR:	1.0000	
PWR (LB/HR):	2,000.00		PWR (LB/HR):	2,000.00	
CONFIDENTIAL: N			CONFIDENTIAL: N		



01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 13

043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0001 - LINDBERG BOX HARDENING FURNACE

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 30402201

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
CO	3		.016
NOX	3		.08

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
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CAPTURING CONTROLS:

CAPTURING STACKS:

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 14

043030ABG - ARROW GEAR COMPANY

## - PROCESS DATA -

POINT 0002 - SUNBEAM HEATMASTER HEATTREAT FURNACE

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

MODE 01 -

SCC: 30402201  
SIC:

## DESCRIPTION CORRECTION:

TWO SUNBEAM HEATMASTER HEATTREAT FURNACES

IDENTICAL POINTS: 1  
 BEGAN OPERATION: 06/1973  
 CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%  
 JUN-AUG: 25.00%  
 MAR-MAY: 25.00%  
 SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	24.0		HOURS/DAY:	24.0	
DAYS/WEEK:	5.0		DAYS/WEEK:	5.0	
WEEKS/YEAR:	52	50	WEEKS/SEASON:	52	13
HOURS/YEAR:	6,240	6,000	HOURS/SEASON:	6,240	1,560
RATE/HR:	0.7500		START TIME:		
RATE/DAY:	18.0000		END TIME:		
RATE/YR:	4,680.0000		RATE/HR:	0.7500	
PWR (LB/HR):	1,500.00		PWR (LB/HR):	1,500.00	
CONFIDENTIAL: N			CONFIDENTIAL: N		

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 15

043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0002 - SUNBEAM HEATMASTER HEATTREAT FURNACE

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 30402201

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
NOX CO	3 3	<u>100</u> 21	<u>0.16</u> 0.0336
POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
NOX	3	100	0.16

CAPTURING CONTROLS:

CAPTURING STACKS:

E CAPTURE: 50.00 %

F CAPTURE: 50.00 %

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 16

043030ABG - ARROW GEAR COMPANY

## - PROCESS DATA -

POINT 0004 - QUENCH PRESS

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

MODE 01 -

SCC: 30900199  
SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 3  
BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%  
JUN-AUG: 25.00%

MAR-MAY: 25.00%  
SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	<del>24.0</del>	<u>4.0</u>	HOURS/DAY:	<del>24.0</del>	<u>4.0</u>
DAYS/WEEK:	5.0		DAYS/WEEK:	5.0	
WEEKS/YEAR:	50		WEEKS/SEASON:	50	<u>13</u>
HOURS/YEAR:	<del>6,000</del>	<u>4,000</u>	HOURS/SEASON:	<del>6,000</del>	<u>260</u>
RATE/HR:	0.0500		START TIME:		
RATE/DAY:	1.2000		END TIME:		
RATE/YR:	300.0000		RATE/HR:	0.0500	
PWR (LB/HR):	150.00		PWR (LB/HR):	150.00	
CONFIDENTIAL: N			CONFIDENTIAL: N		

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 17

043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0004 - QUENCH PRESS

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

\_\_\_\_\_  
\_\_\_\_\_

SCC: 30900199  
SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
-----	-----	-----	-----

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
-----	-----	-----	-----

CAPTURING CONTROLS:

CAPTURING STACKS:

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 18

043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0005 - PARTS WASH

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

MODE 01 -

SCC: 30900199  
SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 1  
BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%  
JUN-AUG: 25.00%

MAR-MAY: 25.00%  
SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	<del>24.0</del>	<u>2.0</u>	HOURS/DAY:	<del>24.0</del>	<u>2</u>
DAYS/WEEK:	5.0		DAYS/WEEK:	5.0	
WEEKS/YEAR:	50		WEEKS/SEASON:	<del>50</del>	<u>13</u>
HOURS/YEAR:	<del>6,000</del>	<u>500</u>	HOURS/SEASON:	<del>6,000</del>	<u>130</u>
RATE/HR:	0.0400		START TIME:		
RATE/DAY:	0.9600		END TIME:		
RATE/YR:	240.0000		RATE/HR:	0.0400	
PWR (LB/HR):	150.00		PWR (LB/HR):	150.00	
CONFIDENTIAL: N			CONFIDENTIAL: N		

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 19

043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0005 - PARTS WASH

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

SCC: 30900199  
SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
-----	-----	-----	-----

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
-----	-----	-----	-----

CAPTURING CONTROLS:

CAPTURING STACKS:

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 20

043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0008 - BROACHING MACHINES

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

MODE 01 -

SCC: 30900199

SIC:

DESCRIPTION CORRECTION:

THREE BROACHING MACHINES

IDENTICAL POINTS: ~~3~~ 1

PERCENT THROUGHPUTS: DEC-FEB: 25.00% MAR-MAY: 25.00%

BEGAN OPERATION: 06/1973

JUN-AUG: 25.00% SEP-NOV: 25.00%

CEASED OPERATION: /

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	5.0		HOURS/DAY:	5.0	
DAYS/WEEK:	3.0		DAYS/WEEK:	3.0	
WEEKS/YEAR:	25		WEEKS/SEASON:	<del>25</del> 13	
HOURS/YEAR:	375		HOURS/SEASON:	<del>375</del> 195	
RATE/HR:	0.0500		START TIME:		
RATE/DAY:	0.2500		END TIME:		
RATE/YR:	18.7500		RATE/HR:	0.0500	
PWR (LB/HR):	100.00		PWR (LB/HR):	100.00	
CONFIDENTIAL: N			CONFIDENTIAL: N		



01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 21

043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0008 - BROACHING MACHINE

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

SCC: 30900199  
SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
-----	-----	-----	-----

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
-----	-----	-----	-----

CAPTURING CONTROLS:

CAPTURING STACKS:

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 22

043030AEG - ARROW GEAR COMPANY

## - PROCESS DATA -

POINT 0009 - LARGE SOLVENT WASH

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

MODE 01 -

SCC: 30900199  
SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS:

BEGAN OPERATION: 06/

CEASED OPERATION:

PERCENT THROUGHPUTS: DEC-FEB: 25.00%

JUN-AUG: 25.00%

MAR-MAY: 25.00%

SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	15.0	_____	HOURS/DAY:	15.0	8.0
DAYS/WEEK:	5.0	_____	DAYS/WEEK:	5.0	_____
WEEKS/YEAR:	50	_____	WEEKS/SEASON:	50	13
HOURS/YEAR:	3,750	_____	HOURS/SEASON:	3,750	520
RATE/HR:	0.0700	_____	START TIME:		_____
RATE/DAY:	1.0500	_____	END TIME:		_____
RATE/YR:	262.5000	_____	RATE/HR:	0.0700	_____
PWR (LB/HR):	150.00	_____	PWR (LB/HR):	150.00	_____
CONFIDENTIAL: N	_____		CONFIDENTIAL: N	_____	

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 23

043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0009 - LARGE SOLVENT WASH

PERMIT: 73060221

BEGAN OPERATION: 06/1973

CEASED OPERATION: /

SCC: 30900199

SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
VOM	2		.5 0.643

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
VOM	2		0.643

CAPTURING CONTROLS:

CAPTURING STACKS:

G

Capture: 100.00%

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 24

043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0010 - SMALL SOLVENT WASH

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

MODE 01 -

SCC: 30900199  
SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 1  
BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%  
JUN-AUG: 25.00%

MAR-MAY: 25.00%  
SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	3.0	4.0	HOURS/DAY:	3.0	4.0
DAYS/WEEK:	5.0		DAYS/WEEK:	5.0	
WEEKS/YEAR:	50		WEEKS/SEASON:	50	13
HOURS/YEAR:	750	1,000	HOURS/SEASON:	750	260
RATE/HR:	0.0015		START TIME:		
RATE/DAY:	0.0045		END TIME:		
RATE/YR:	1.1250		RATE/HR:	0.0015	
PWR (LB/HR):	3.00		PWR (LB/HR):	3.00	
CONFIDENTIAL: N			CONFIDENTIAL: N		

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 25

043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0010 - SMALL SOLVENT WASH

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

SCC: 30900199  
SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
VOM	2		0.43

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
VOM	2		0.43

CAPTURING CONTROLS:

CAPTURING STACKS:

H

CAPTURE: 100.00%

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 26

043030ABG - ARROW GEAR COMPANY

## - PROCESS DATA -

POINT 0011 - DEGREASER

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /12/1973

MODE 01 -

SCC: 40100299  
SIC:

## DESCRIPTION CORRECTION:

REMOVED 12/1973

IDENTICAL POINTS: 2  
BEGAN OPERATION: 06/1973  
CEASED OPERATION: /PERCENT THROUGHPUTS: DEC-FEB: 25.00%  
JUN-AUG: 25.00%MAR-MAY: 25.00%  
SEP-NOV: 25.00%12/1973

UNITS: TONS MAKE-UP SOLVENT USED

UNITS: TONS MAKE-UP SOLVENT USED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	10.0	<u>0</u>	HOURS/DAY:	10.0	<u>0</u>
DAYS/WEEK:	2.0	<u>0</u>	DAYS/WEEK:	2.0	<u>0</u>
WEEKS/YEAR:	50	<u>0</u>	WEEKS/SEASON:	50	<u>0</u>
HOURS/YEAR:	1,000	<u>0</u>	HOURS/SEASON:	1,000	<u>0</u>
RATE/HR:	0.0250	<u>0</u>	START TIME:		
RATE/DAY:	0.2500	<u>0</u>	END TIME:		
RATE/YR:	25.0000	<u>0</u>	RATE/HR:	0.0250	<u>0</u>
PWR (LB/HR):	50.00	<u>0</u>	PWR (LB/HR):	50.00	<u>0</u>
CONFIDENTIAL: N			CONFIDENTIAL: N		

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 27

043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0011 - DEGREASER

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

SCC: 40100299  
SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
VOM	2		.3 (REMOVED) N/A

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
-------------------	--------------------	----------------------------------	--

CAPTURING CONTROLS:

CAPTURING STACKS:

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 28

043030ABG - ARROW GEAR COMPANY

## - PROCESS DATA -

POINT 0012 - ROTARY SHOT BLAST

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

MODE 01 -

SCC: 30900199  
SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 2  
BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%  
JUN-AUG: 25.00%

MAR-MAY: 25.00%  
SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	24.0	<u>8</u>	HOURS/DAY:	24.0	<u>8</u>
DAYS/WEEK:	5.0	<u>      </u>	DAYS/WEEK:	5.0	<u>      </u>
WEEKS/YEAR:	50	<u>      </u>	WEEKS/SEASON:	50	<u>13</u>
HOURS/YEAR:	6,000	<u>2,000</u>	HOURS/SEASON:	6,000	<u>520</u>
RATE/HR:	0.0900	<u>      </u>	START TIME:		<u>      </u>
RATE/DAY:	2.1600	<u>      </u>	END TIME:		<u>      </u>
RATE/YR:	540.0000	<u>      </u>	RATE/HR:	0.0900	<u>      </u>
PWR (LB/HR):	250.00	<u>      </u>	PWR (LB/HR):	250.00	<u>      </u>
CONFIDENTIAL: N	<u>      </u>		CONFIDENTIAL: N	<u>      </u>	



01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 29

043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0012 - ROTARY SHOT BLAST

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

SCC: 30900199  
SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
PART	2		.095

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
-------------------	--------------------	----------------------------------	--

CAPTURING CONTROLS:

CONTROL 0001 CAPTURE EFFICIENCY: 100.00%

CAPTURING STACKS:

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 30

043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0013 - RUEMELIN HANDBLAST

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

MODE 01 -

SCC: 30900199  
SIC:

DESCRIPTION CORRECTION:

IDENTICAL POINTS: 1  
BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

PERCENT THROUGHPUTS: DEC-FEB: 25.00%  
JUN-AUG: 25.00%  
MAR-MAY: 25.00%  
SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	<del>24.0</del>	<u>8.0</u>	HOURS/DAY:	<del>24.0</del>	<u>8.0</u>
DAYS/WEEK:	5.0		DAYS/WEEK:	5.0	
WEEKS/YEAR:	50		WEEKS/SEASON:	<del>50</del>	<u>13</u>
HOURS/YEAR:	<del>6,000</del>	<u>2,000</u>	HOURS/SEASON:	<del>6,000</del>	<u>820</u>
RATE/HR:	0.0150		START TIME:		
RATE/DAY:	0.3600		END TIME:		
RATE/YR:	90.0000		RATE/HR:	0.0150	
PWR (LB/HR):	30.00		PWR (LB/HR):	30.00	
CONFIDENTIAL: N			CONFIDENTIAL: N		

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 31

043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0013 - RUEMELIN HANDBLAST

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

SCC: 30900199  
SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
PART	2		.0075

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
-------------------	--------------------	----------------------------------	--

CAPTURING CONTROLS:

CONTROL 0002 CAPTURE EFFICIENCY: 100.00%

CAPTURING STACKS:

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 32

043030ABG - ARROW GEAR COMPANY

## - PROCESS DATA -

POINT 0014 - DEDURRING AND POLISHING

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

MODE 01 -

SCC: 30900199  
SIC:

## DESCRIPTION CORRECTION:

DEDURRING AND POLISHING AREA

IDENTICAL POINTS: 14  
BEGAN OPERATION: 06/1973  
CEASED OPERATION: /PERCENT THROUGHPUTS: DEC-FEB: 25.00%  
JUN-AUG: 25.00%  
MAR-MAY: 25.00%  
SEP-NOV: 25.00%

UNITS: TONS PROCESSED

UNITS: TONS PROCESSED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	<del>15.0</del>	<u>8</u>	HOURS/DAY:	<del>15.0</del>	<u>8</u>
DAYS/WEEK:	5.0		DAYS/WEEK:	5.0	
WEEKS/YEAR:	<del>52</del>	<u>50</u>	WEEKS/SEASON:	<del>52</del>	<u>13</u>
HOURS/YEAR:	<del>3,900</del>	<u>2,000</u>	HOURS/SEASON:	<del>3,900</del>	<u>520</u>
RATE/HR:	0.1200		START TIME:		
RATE/DAY:	1.8000		END TIME:		
RATE/YR:	468.0000		RATE/HR:	0.1200	
PWR (LB/HR):	350.00		PWR (LB/HR):	350.00	
CONFIDENTIAL: N			CONFIDENTIAL: N		

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 33

043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0014 - DEDURRING AND POLISHING

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

SCC: 30900199  
SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
PART	2		.06 0.0001

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
-------------------	--------------------	----------------------------------	--

CAPTURING CONTROLS:

CONTROL 0003 CAPTURE EFFICIENCY: 100.00%

CAPTURING STACKS:

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 37

043030ABG - ARROW GEAR COMPANY

- STACK DATA -

STACK 0001 -

BEGAN OPERATION: / \_\_\_\_\_  
CEASED OPERATION: / \_\_\_\_\_

DESCRIPTION CORRECTION:

DIAMETER (FT): ~~1.3~~ 0

HEIGHT (FT): ~~0~~ 18

TEMPERATURE (F): ~~0~~ 76

FLOW RATE (ACFM): 0 \_\_\_\_\_

VELOCITY (FT/MIN): 0 CALCULATED BY IEPA

LATITUDE (DD:MM:SS): \_\_\_\_\_

LONGITUDE (DD:MM:SS): \_\_\_\_\_

METHOD: \_\_\_\_\_

DATE: \_\_\_\_\_

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1990

PAGE 1 OF 9

ID NUMBER: 043010412 NAME: ALCOA CORP.

- STACK DATA -

STACK A - \_\_\_\_\_

BEGAN OPERATION: \_\_\_\_\_

CEASED OPERATION: \_\_\_\_\_

DESCRIPTION CORRECTION:

DIAMETER (FT): \_\_\_\_\_

HEIGHT (FT): 23

TEMPERATURE (F): 1200

FLOW RATE (ACFM): \_\_\_\_\_

VELOCITY (FT/MIN): CALCULATED BY IEPA

LATITUDE (DD:MM:SS): \_\_\_\_\_

LONGITUDE (DD:MM:SS): \_\_\_\_\_

METHOD: \_\_\_\_\_

DATE: \_\_\_\_\_

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - FILE

PAGE 2 OF 1

ID NUMBER: 043020ANG NAME: ASPHALT CEMENT

- STACK DATA -

STACK B - \_\_\_\_\_

BEGAN OPERATION: \_\_\_\_\_

CEASED OPERATION: \_\_\_\_\_

DESCRIPTION CORRECTION:

DIAMETER (FT): \_\_\_\_\_

HEIGHT (FT): 23

TEMPERATURE (F): 100

FLOW RATE (ACFM): \_\_\_\_\_

VELOCITY (FT/MIN): CALCULATED BY IEPA

LATITUDE (DD:MM:SS): \_\_\_\_\_

LONGITUDE (DD:MM:SS): \_\_\_\_\_

METHOD: \_\_\_\_\_



DATE: \_\_\_\_\_

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1990

PAGE 2 OF 2

ID NUMBER: 043000000 NAME: ASIXOGEAR

- STACK DATA -

STACK 0 - \_\_\_\_\_

BEGAN OPERATION: \_\_\_\_\_

CEASED OPERATION: \_\_\_\_\_

DESCRIPTION CORRECTION:

DIAMETER (FT): \_\_\_\_\_

HEIGHT (FT): 22

TEMPERATURE (F): 300

FLOW RATE (ACFM): \_\_\_\_\_

VELOCITY (FT/MIN): CALCULATED BY IEPA

LATITUDE (DD:MM:SS): \_\_\_\_\_

LONGITUDE (DD:MM:SS): \_\_\_\_\_

METHOD: \_\_\_\_\_

DATE: \_\_\_\_\_

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1998

PAGE 1 OF 1

ID NUMBER: 0-13000 AFG NAME: ARBOLD GEAR

- STACK DATA -

STACK D - \_\_\_\_\_

BEGAN OPERATION: \_\_\_\_\_

CEASED OPERATION: \_\_\_\_\_

DESCRIPTION CORRECTION:

DIAMETER (FT): \_\_\_\_\_

HEIGHT (FT): 22

TEMPERATURE (F): 300

FLOW RATE (ACFM): \_\_\_\_\_

VELOCITY (FT/MIN): CALCULATED BY IEPA

LATITUDE (DD:MM:SS): \_\_\_\_\_

LONGITUDE (DD:MM:SS): \_\_\_\_\_

METHOD: \_\_\_\_\_

DATE: \_\_\_\_\_

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

PAGE 5 OF 9

ID NUMBER: 0420-0000 NAME: ASBESTOS

- STACK DATA -

STACK E - \_\_\_\_\_

BEGAN OPERATION: \_\_\_\_\_

CEASED OPERATION: \_\_\_\_\_

DESCRIPTION CORRECTION:

DIAMETER (FT): \_\_\_\_\_

HEIGHT (FT): 20

TEMPERATURE (F): 1200

FLOW RATE (ACFM): \_\_\_\_\_

VELOCITY (FT/MIN): CALCULATED BY IEPA

LATITUDE (DD:MM:SS): \_\_\_\_\_

LONGITUDE (DD:MM:SS): \_\_\_\_\_

METHOD: \_\_\_\_\_

DATE: \_\_\_\_\_

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1990

PAGE 6 OF 7

ID NUMBER: 043070 APC NAME: APPCO LEAK

- STACK DATA -

STACK F - \_\_\_\_\_

BEGAN OPERATION: \_\_\_\_\_

CEASED OPERATION: \_\_\_\_\_

DESCRIPTION CORRECTION:

DIAMETER (FT): \_\_\_\_\_

HEIGHT (FT): 20

TEMPERATURE (F): 1200

FLOW RATE (ACFM): \_\_\_\_\_

VELOCITY (FT/MIN): CALCULATED BY IEPA

LATITUDE (DD:MM:SS): \_\_\_\_\_

LONGITUDE (DD:MM:SS): \_\_\_\_\_

METHOD: \_\_\_\_\_

DATE: \_\_\_\_\_

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1984

PAGE 7 OF 6

ID NUMBER: 0430701026 NAME: ARMED GEAR

- STACK DATA -

STACK G - \_\_\_\_\_

BEGAN OPERATION: \_\_\_\_\_

CEASED OPERATION: \_\_\_\_\_

DESCRIPTION CORRECTION:

DIAMETER (FT): \_\_\_\_\_

HEIGHT (FT): 22

TEMPERATURE (F): 70

FLOW RATE (ACFM): \_\_\_\_\_

VELOCITY (FT/MIN): CALCULATED BY IEPA

LATITUDE (DD:MM:SS): \_\_\_\_\_

LONGITUDE (DD:MM:SS): \_\_\_\_\_

METHOD: \_\_\_\_\_

DATE: \_\_\_\_\_

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1990

PAGE 1 OF 1

ID NUMBER: 043030AFG NAME: REFINED OIL

- STACK DATA -

STACK H - \_\_\_\_\_

BEGAN OPERATION: \_\_\_\_\_

CEASED OPERATION: \_\_\_\_\_

DESCRIPTION CORRECTION:

DIAMETER (FT): \_\_\_\_\_

HEIGHT (FT): 22

TEMPERATURE (F): 70

FLOW RATE (ACFM): \_\_\_\_\_

VELOCITY (FT/MIN): CALCULATED BY IEPA

LATITUDE (DD:MM:SS): \_\_\_\_\_

LONGITUDE (DD:MM:SS): \_\_\_\_\_

METHOD: \_\_\_\_\_

DATE: \_\_\_\_\_

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1976

PAGE 1 OF 1

ID NUMBER: 0430071ASC NAME: ANDREW GEARL

- STACK DATA -

STACK I - \_\_\_\_\_

BEGAN OPERATION: \_\_\_\_\_

CEASED OPERATION: \_\_\_\_\_

DESCRIPTION CORRECTION:

DIAMETER (FT): \_\_\_\_\_

HEIGHT (FT): 8

TEMPERATURE (F): 70

FLOW RATE (ACFM): \_\_\_\_\_

VELOCITY (FT/MIN): CALCULATED BY IEPA

LATITUDE (DD:MM:SS): \_\_\_\_\_

LONGITUDE (DD:MM:SS): \_\_\_\_\_

METHOD: \_\_\_\_\_